



ALAGAPPA UNIVERSITY

(A State University Accredited with A+ by NAAC in the Third Cycle)

KARAIKUDI-630003



INTERNSHIP PROGRAM AT UNIVERSITY SCIENCE INSTRUMENTATION CENTRE (USIC)

About the University

Alagappa University has emerged from the galaxy of institutions initially founded by the great philanthropist and educationist Dr. RM. Alagappa Chettiar. It is brought into existence by an Act of the Tamilnadu State Legislature in May 1985 and is recognised by the UGC and DST-PURSE. The University has 44 departments, 9 centres and 2 constituent colleges in the campus. It has 46 affiliated colleges located in the districts of Sivaganga and Ramanathapuram. The University is reaccredited with 'A+' Grade (3.64CGPA) by NAAC in the third cycle in 2017. and is an ISO 9001:2015 certified institution. As a member of the Association of Indian Universities (AIU), as well as the member of the Association of Common Wealth Universities (ACU), it has rewarding relations with other academic institutions, research laboratories and industrial establishments that promise a spectacular feature. The University is having international collaborations with Universities / Institutions of higher learning in countries like Japan, China, Malaysia, Germany, USA, South Korea etc. The University's motto is "Excellence in Action" and the University keeps before it the vision of excellence in all spheres of its action.

About the USIC

University Science Instrumentation Centre (USIC) was created with the objective to uplift the quality of research in basic as well as applied field of sciences carried out by the students, scholars and faculty members of this University. USIC is taking consistent initiatives to maximize the use of expensive/sophisticated equipments in the University through training and suitable pooling mechanism and to enhance the infrastructure of the centre to provide these advanced facilities to the research fraternity of the University as well as from nearby Institutions at a very affordable cost.

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Scope of the Internship

The internship is designed for the aspirants who are interested in learning various characterisation techniques to explore the materials for their physical and chemical properties. Several most sophisticated equipments are available under one roof costing Rs.15.5# Crore. These state of the art equipments are maintained under Annual Maintenance Contract to ensure their merit and readiness to operate. The interns are encouraged to operate these machines under the supervision of the trained experts. Eminent researchers will introduce the working principle and applications of the different characterization techniques, which may facilitate the interns in interpreting the results. The participation from different disciplines are encouraged.

Instruments Available for Internship

- Vibrating Sample Magnetometer
- Laser Raman Spectrometer
- Transmission Electron Microscope
- X-ray Photoelectron Spectrometer
- NMR
- High Temperature -XRD

Registration and Fee Details

The internship period is two weeks (10 working days) and a maximum of 2 interns will be allotted at a time for an equipment. The internship period will be assigned based on the convenience of the applicant. Registration form can be downloaded from the University - USIC website. The application along with the DD should be mailed to "The Director, USIC". Registration fee of **Rs.6000/-** should be forwarded in the form of DD favouring "The Registrar, Alagappa University, Karaikudi". Assistance will be extended to arrange for accommodation at the expense of the applicant.

